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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Jackson and Pace

Application No.: 09/542,520

Group Art Unit: 1656

Filed: April 3, 2000

Examiner: Sharon Turner

For: *CHLAMYDIA* PROTEIN, GENE  
SEQUENCE AND USES THEREOF

Attorney Docket No.: 7969-076-999

**TRANSMITTAL OF SUBSTITUTE SEQUENCE LISTING UNDER 37 C.F.R. § 1.821**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

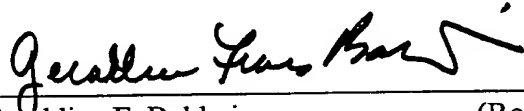
Please replace the paper and computer readable copies of the Sequence Listing filed May 30, 2001 with the paper and computer readable copies of the Substitute Sequence Listing submitted herewith.

The Substitute Sequence Listing filed herewith contains the following changes from the Sequence Listing filed May 30, 2001: (1) a CDS feature has been added in SEQ ID NO.: 1 to provide a clear indication of the nucleotides which encode SEQ ID NO.: 2; (2) position 504 of SEQ ID NO.: 17 has been corrected from "Asp" to "Asn", support for this correction can be found within the Specification; (3) SEQ ID NO.: 42 has been added to properly identify a fragment of SEQ ID NO.: 3 discussed on page 43 of the Specification (4) SEQ ID NO.: 43 has been added to identify the sequence in Figure 6, which is encoded by residues 466 to 3420 of SEQ ID NO.: 1 and is the mature form of SEQ ID NO.: 2. No new matter is presented in these changes.

I hereby state that the content of the paper and computer readable copies of the Substitute Sequence Listing, submitted in accordance with 37 C.F.R. §§ 1.821(c) and (e), respectively, are the same. I hereby state that the submission herein under 37 C.F.R. § 1.821(g) does not include new matter.

Respectfully submitted,

Date: May 1, 2002

  
Geraldine F. Baldwin 31,232  
(Reg. No.)

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Enclosures